

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	AMENDMENT	JOB ORDER NUMBER	APPROX. PT.
QSS Group, Inc.	NASS- 99124 TASK NO. 123		564-839-30-80 -89	99

TASK TITLE: (NTE 80 characters; include Project name)

**TRIANA Electron Spectrometer Controller Circuit Board**

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Michael A. Johnson <i>[Signature]</i>	8/11/99	564	692	301-286-3170
BRANCH HEAD	DATE	CODE		PHONE
Robert L. Kasa <i>[Signature]</i>	8/12/99	564		301-286-8043
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE
Robert S. Lebar <i>[Signature]</i>	8/17/99	560		301-286-6588

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP. <i>[Signature]</i> Larry Moore see for L. Moore per 8/17 email	DESIGNATED FAM:
<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.	(To be completed by Contracting Officer) <b>C.O. Requested Quote on:</b> <b>Date:</b> AUG 23 1999
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Contractor will develop specification or statement of work under this task for a future procurement.	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)
Onsite Performance:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES If yes: <input checked="" type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
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Highlighted Contract Clauses: (to be completed by Contracting Officer)  
Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be August 23, 1999.

**INCENTIVE FEE STRUCTURE (check one)**

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	No. 3	<u>X</u> No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 16,143.  
The target fee of this task order is \$ 1,034.  
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 17,177.

The maximum fee is \$ 1,511.  
The minimum fee is \$0.

**AUTHORIZED SIGNATURE**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

*[Signature]*  
SIGNATURE OF CONTRACTING OFFICER

10/29/99  
DATE

Lorrie L. Eakin  
Contracting Officer

TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE**

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	123	

Applicable paragraphs from contract Statement of Work: Function 2E3

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The purpose of this task is to produce the Electron Spectrometer Control Printed Wiring Board (PWB) assembly for the TRIANA PLASMAG Instrument Project.

To accomplish this task the contractor shall perform PWB design/layout, generate fabrication documentation, generate assembly documentation, fabricate the PWB, assemble the PWB, and deliver the assembled PWB to the GSFC TM for electrical test. The contractor shall deliver the PWB documentation to the GSFC in electronic format.

It is anticipated that only minor rework will be required after engineering test.

**PERFORMANCE SPECIFICATIONS:**

1. Perform printed board design/layout using PADS Power PCB, version 2.01.
2. PWB fabricatin drawings, assembly drawings, and parts list to be generated in AUTO CAD format.
3. PWB assembly to be performed according to GSFC requirements for flight hardware.

**APPLICABLE DOCUMENTS:**

NASA Technical Workmanship Standard for Soldered Electrical Connections, NASA-STD-8739.3  
GSFC Quality Manual, GPG 8730.3

ANSI/IPC-D-275, Design Standard for Rigid Printed Boards and Rigid Printed Board Assemblies, Class 3.

IPC 6011 and IPC 6012, Class 3 as the basic specification requirements with GSFC S-312-P-003B, Procurement Specification for Rigid Printed Wiring Boards for Space Applications and other High Reliability Uses as a supplement.

**TASK END DATE:** ~~03/30/99~~ 10/15/99**MILESTONES/DELIVERABLES AND DATES:**

- |  |                            |
|--|----------------------------|
| 1. Electron Spectrometer Controller board fabrication drawings | <del>8/27/99</del> 9/10/99 |
| 2. Electron Spectrometer Controller board fabrication          | <del>9/8/99</del> 9/21/99  |
| 3. Electron Spectrometer Controller board assembly             | <del>9/15/99</del> 9/30/99 |

**PERFORMANCE STANDARDS:**

**Schedule:** On-time delivery of assembled and inspected PWB's  
**Technical:** Meets requirements as determined by the ATR

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Mike Johnson, building 2, room 108